

SCIENTIFIC INFORMATION

Ionolux – Technical Profile

Shear bond strength on bovine dentine (24 h, 37 °C water storage)	8.7 MPa	analogous Reinhardt*
Shear bond strength on bovine enamel (24 h, 37 °C water storage)	8.7 MPa	analogous Reinhardt*
3-Point flexural strength (24 h, 37 °C water storage)	55.3 MPa	ISO 4049
3-Point flexural strength (after thermocycling, 3000 cycles, 5°/55° C)	60.7 MPa	ISO 4049
Compressive strength (24 h, 37 °C water storage)	219.6 MPa	ISO 9917
Compressive strength (after thermocycling, 3000 cycles, 5°/55° C)	195.5 MPa	ISO 9917
Radiopacity	250 %Al	ISO 4049
Depth of curing (500 mW / cm ²)	2 mm / 20 s	ISO 4049
Working time	> 3 min	ISO 9917

The stated measurement values do not represent a specified value within the scope of the VOCO GmbH quality assurance system.

* Reinhardt KJ, *Phillip Journal* 3-4, 1997, 101-104.